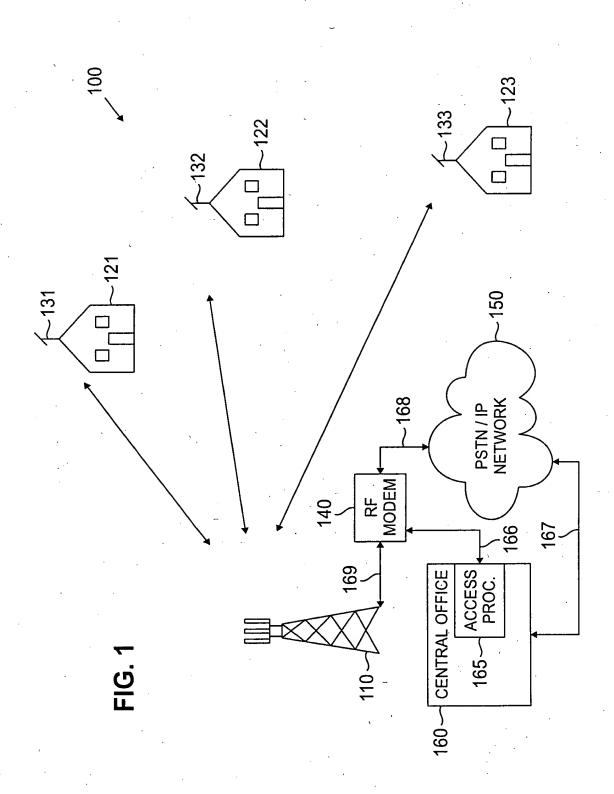
Docket No.: Applicant: Application No.: Filing Date:

WEST14-00022 Paul F. Struhsaker et al. 09/839,457 April 20, 2001





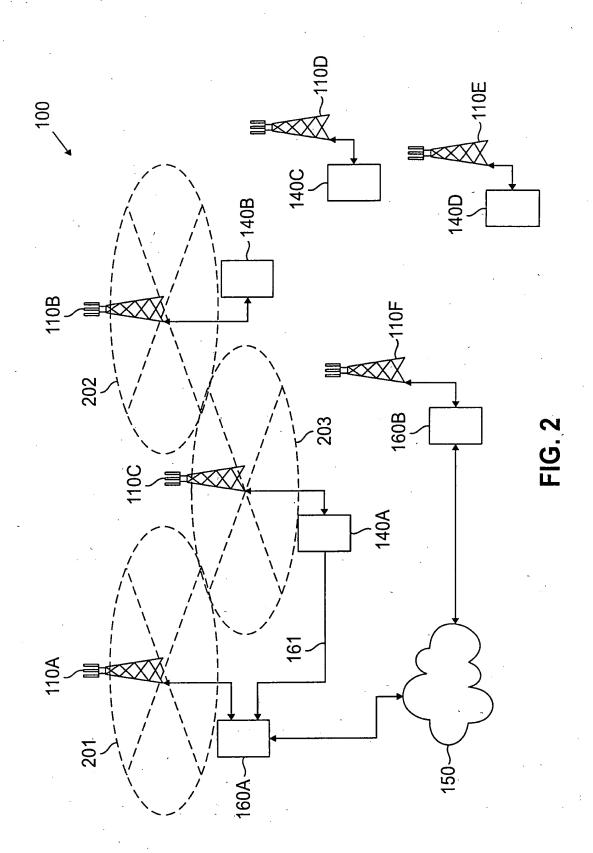




Docket No.: Applicant: Application No.: Filing Date:

WEST14-00022 Paul F. Struhsaker et al. 09/839,457 April 20, 2001

REPLACEMENT



WEST14-00022 Paul F. Struhsaker et al.

Application No.: Filing Date:

09/839,457 April 20, 2001



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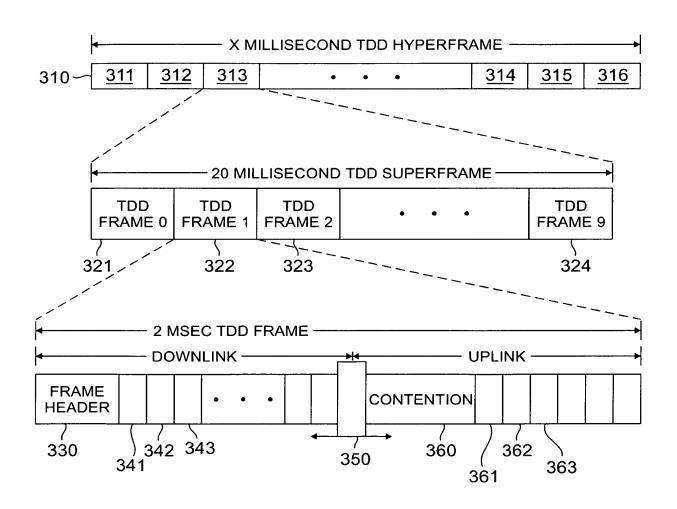


FIG. 3



Docket No.: Applicant:

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Application No.: 09/839,457 Filing Date:

April 20, 2001

REPLACEMENT

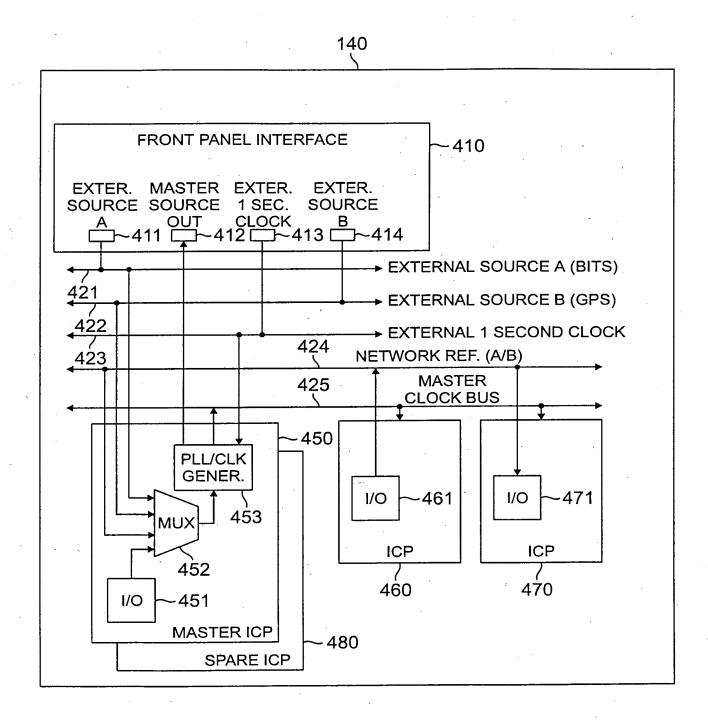


FIG. 4

Docket No.: Applicant: Application No.: WEST14-00022 Paul F. Struhsaker et al. 09/839,457 REPLACEMENT OIPE Filing Date: April 20, 2001 OCT 2 8 2005 5/8 500 530 511 RTG 520 BLOCK CRC Z 510 SUB-BURST 536 BLOCK CRC 524 UPLINK DATA PDU 535 509 SUB-BURST DATA PDU BLOCK CRC 506 507 508 REGICON 523 534 DATA PDU 533 2 MSEC. FRAME MOD. GRP. N 505 FIG. 5A MAC HEADER MAC HEADER 522 532 MOD. GRP. 2 504 PMD PREAMBLE (OPT./UPSTREAM) PMD PREAMBLE (OPT./UPSTREAM) MOD. GRP. 1 503 DOWNLINK 521 MANAGEMENT 531 502 FIG. 5B PREAMBLE 501

Docket No.: WEST14-00022 Applicant: Paul F. Struhsaker et al. Application No.: 09/839,457 Filing Date: April 20, 2001 6/8 600 START RF MODEM SHELF RECEIVES NEW ACCESS REQUESTS FROM SUBSCRIBER ACCESS DEVICES 605 AND DETERMINES TRAFFIC REQUIREMENTS FOR EACH NEW AND EXISTING SUBSCRIBER IN EACH SECTOR OF A SINGLE CELL SITE RF MODEM SHELF DETERMINES FROM SUBSCRIBER TRAFFIC REQUIREMENTS THE 610 -LONGEST DOWNLINK PORTION OF ANY TDD FRAME IN EACH SECTOR OF A SINGLE CELL SITE ACCESS PROCESSOR (OR RF MODEM SHELF) DETERMINES ALLOCATION OF DOWNLINK AND 615~ UPLINK PORTIONS OF TDD FRAMES FOR A SINGLE CELL SITE IN ORDER TO MINIMIZE OR ELIMINATE INTERFERENCE WITHIN THE CELL SITE ACCESS PROCESSOR DETERMINES THE LONGEST 620· DOWNLINK PORTION OF ANY TDD FRAME ACROSS SEVERAL CLOSELY LOCATED CELL SITES ACCESS PROCESSOR DETERMINES ALLOCATION OF UPLINK AND DOWNLINK PORTIONS OF TDD 625 ~ FRAMES ACROSS SEVERAL CLOSELY LOCATED CELL SITES IN ORDER TO MINIMIZE OR ELIMINATE CELL-TO- CELL INTERFERENCE DOWNLINK PORTIONS OF TDD FRAMES ARE LAUNCHED SIMULTANEOUSLY USING 630 -DISTRIBUTED TIMING ARCHITECTURE

FIG. 6

CONTINUE

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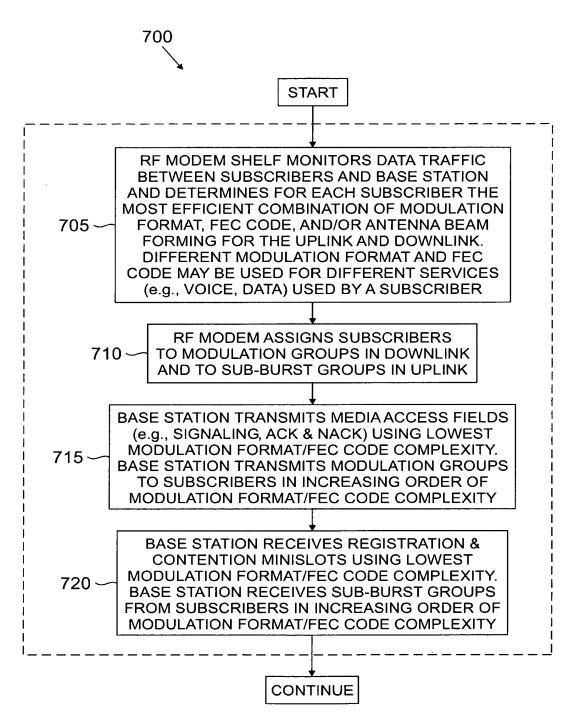


FIG. 7

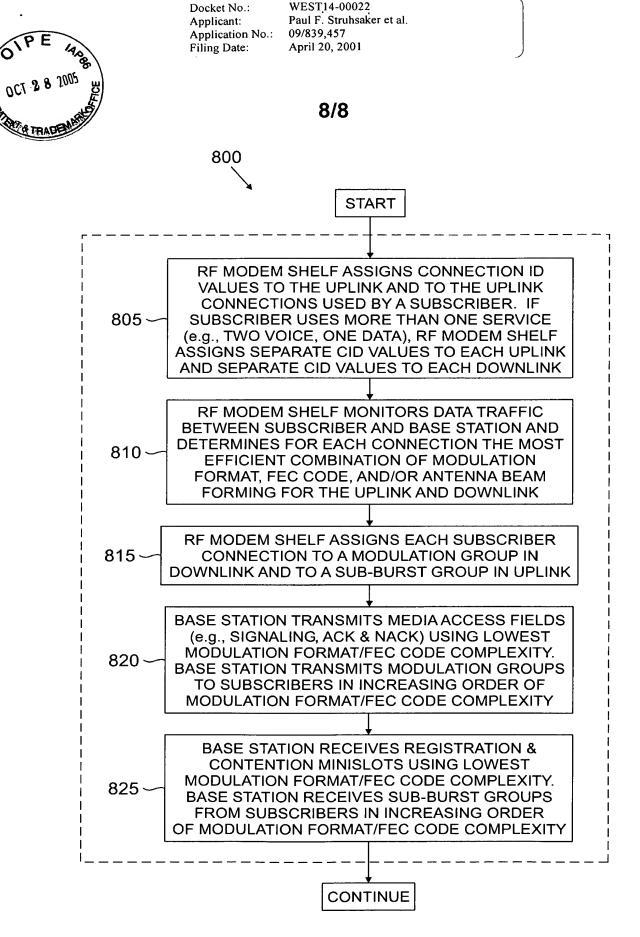


FIG. 8